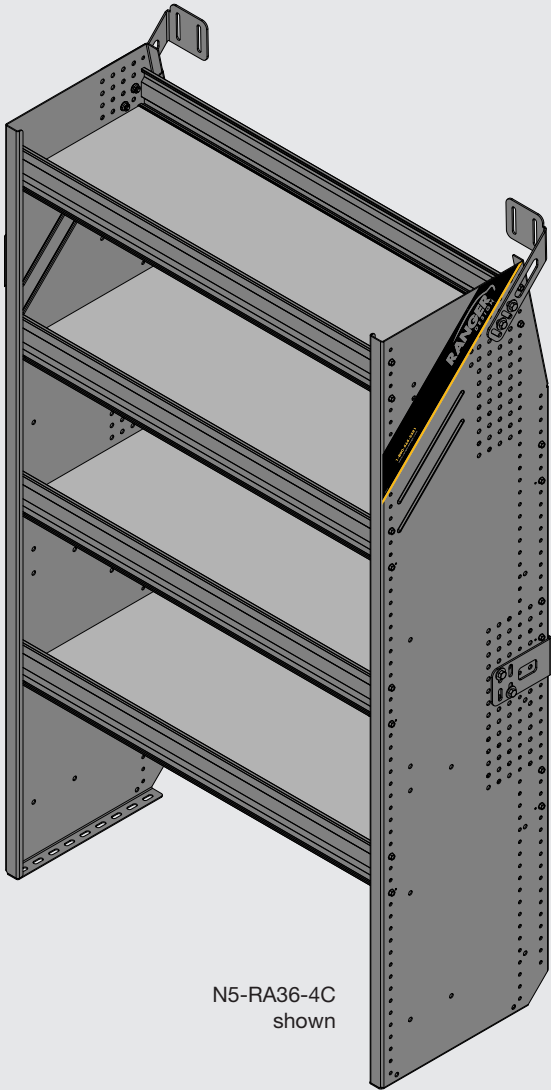


Owner's Manual

N5 Shelving Series

This Owner's Manual provides assembly, install and user guidance. It applies to all **N5 Steel & Composite Aluminum** shelves sold by Ranger Design. For a list of compatible models, visit our website at rangerdesign.com.

Contents	
Warnings	2
Parts Included	3
Tools Required	4
Assembly	5
Installation	7
Plusnut Guidelines	9



N5-RA36-4C
shown



Scan the QR code for the latest Installation Guide. For more information, visit rangerdesign.com.



Warnings

READ, UNDERSTAND, AND FOLLOW ALL WARNINGS AND INSTRUCTIONS BEFORE USING THIS PRODUCT. FAILURE TO FOLLOW THESE DIRECTIONS MAY RESULT IN PROPERTY DAMAGE, SERIOUS BODILY INJURY, AND/OR DEATH. RANGER DESIGN IS NOT RESPONSIBLE FOR ANY PROPERTY DAMAGE, PERSONAL INJURY, OR DEATH THAT OCCURS WHILE USING ANY RANGER DESIGN PRODUCTS.

THE FINAL ALTERER AND/OR MODIFIER SHOULD REVIEW THE WARNING SHEET WITH THE CUSTOMER BEFORE THE VEHICLE IS RELEASED TO THE CUSTOMER FOR GENERAL USE. THESE INSTRUCTIONS SHOULD REMAIN WITH THE VEHICLE AT ALL TIMES.



WARNINGS – Prior To Starting

- Ranger Design products must be assembled and installed by individuals qualified to use the tools required and have experience with similar products. If there is any question as to competence or experience, please contact a professional alterer or modifier.
- Failure to use Ranger Design-provided fasteners, brackets, and proper installation guidelines could increase risk of serious personal injury and/or death.
- Prior to installation, inspect the vehicle to ensure that installation will not interfere with, or cause obstruction of, any critical components such as electrical wiring, fuel tanks, fuel cells, locks, latches, etc.
- The final alterer and/or modifier is responsible for ensuring all equipment is sufficiently secured to wall and floor structures or suitable anchorages.
- Do not install systems into any weak or unsound materials such as plastics, woods, thin-walled metals, etc., without proper reinforcement.
- Do not install this product where it could interfere with the deployment of airbags. Failure to comply could result in death or serious injury.
- Do not install this product where it could ingress on the Vehicle Occupant Protection Zone. Failure to comply could result in death or serious injury.
- Incorrect installation could cause water leaks, electric shock, or fire.
- Any cargo vehicle with any cargo or equipment should use a certified partition which can be found on the Ranger Design website. (<https://rangerdesign.com>)
- Mounting rails and floors are strongly recommended for any attachment to the vehicle and can be found on the Ranger Design website. (<https://rangerdesign.com>)
- Any modification or unintended use of this product voids any warranty and could create a hazardous condition.
- Ranger Design provides recommended assembly and installation instructions which must be followed to ensure correct operation. Failure to do so could invalidate the product's compliance and/or warranty and cause injury.
- The final stage vehicle alterer and/or modifier is responsible for the integration, installation, and compliance of the product in its final location with all applicable regulations and standards. Failure to maintain compliance of the vehicle with applicable regulations and standards could be punishable by law. Alterers and/or modifiers should consult with all local authorities prior to commissioning.

- Any materials, padding, or glazing installed in the vehicle must comply with FMVSS/CMVSS 201/205/302, as applicable.



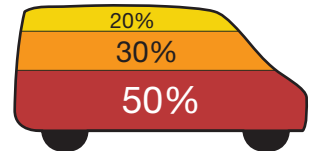
WARNINGS – Prior To Drilling

- Improper drilling can cause property damage to vehicles and could lead to electric shock, fire, or even death.
- Ensure that drilling is only performed on areas of the vehicle allowed by the vehicle's Original Equipment Manufacturer's Body Builders Layout Book (or equivalent document).
- Ensure that you will not hit any critical parts of the vehicle like the gas tank, wiring harnesses, or hoses. Consult the vehicle's OEM documentation as necessary. When drilling, use a drill collar to reduce the risk of damage to the vehicle.



WARNINGS – Prior To Operating Vehicle

- The heaviest items must be placed towards the bottom of the vehicle, while the lightest ones can be arranged upwards. Vehicle cargo loading weight proportion should follow the guidelines shown here.
- Check your vehicle's tare weight and remaining load capacity with all equipment installed. Never exceed the maximum Gross Vehicle Weight Rating (GVWR), Gross Axle Weight Ratings (GAWRs), or other maximum loads permitted by the vehicle's Original Equipment Manufacturer (OEM) and required by law.
- All items in the cargo area should be properly secured and partition doors closed while the vehicle is in motion.
- All system components should be regularly inspected, cleaned, and maintained pursuant to Ranger Design guidelines.



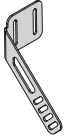
WARNING – In Event Of An Accident

- In the event of a motor vehicle accident or collision where a Ranger Design system has been installed, especially ones where the vehicle's structure has been damaged and/or the air bags have deployed and/or the vehicle has been towed, the system must be inspected to ensure continued soundness and safety before returning the vehicle to service. Damaged components should be replaced as necessary.

FR: Si vous avez besoin de ces instructions en français, s'il vous plait contacter notre service à la clientèle. +1-800-565-5321

ES: Si necesita estas instrucciones en español, comuníquese con el Servicio de atención al cliente de Ranger Design. +1-800-565-5321

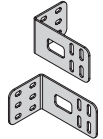
Parts Included



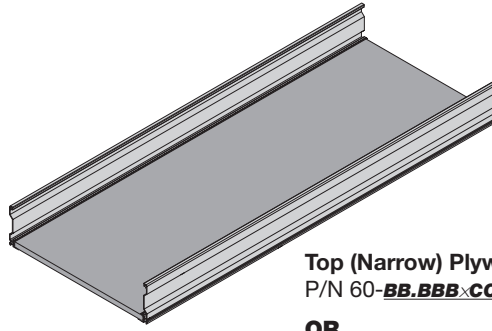
Right Bracket – Qty. 1
P/N 40-750



Left Bracket – Qty. 1
P/N 40-751



Middle Bracket – Qty. 2
P/N 84-012



Top (Narrow) Plywood Shelf Tray – Qty. 1
P/N 60-**BB.BBB**×**CC**

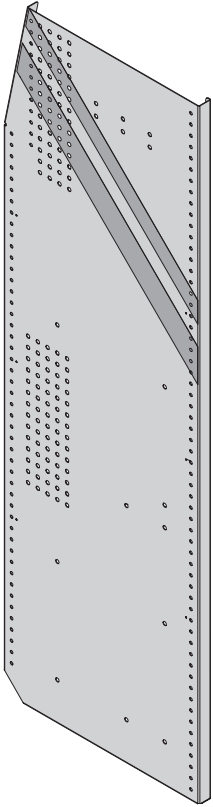
OR

Top Composite Shelf Tray – Qty. 1
P/N L4-**BB.BBB**×**CC**

For ordering purposes:

BB.BBB = usable depth in inches

CC = width in inches



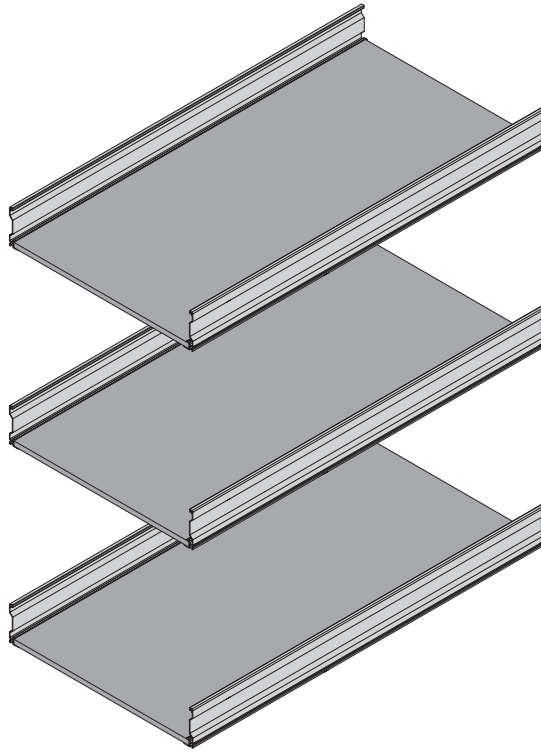
Left End Panel – Qty. 1
P/N 40-7**AAA**

000 Steel

002 Deep Steel

540 Aluminum

For ordering purposes, replace **AAA** with proper material code.



Plywood Shelf Tray – Qty. 3
P/N 60-**BB.BBB**×**CC**

OR

Composite Shelf Tray – Qty. 3
P/N L4-**BB.BBB**×**CC**

For ordering purposes:

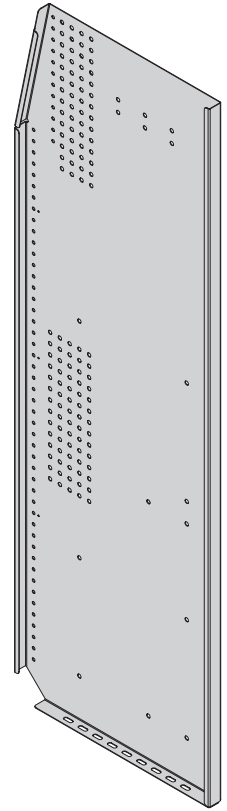
BB.BBB = usable depth in inches

CC = width in inches



Center Post – Qty. 1
P/N 40-704

(Only required for 72" and longer shelving units.)



Right End Panel – Qty. 1
P/N 40-7**AAA**

001 Steel

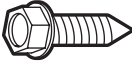
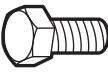


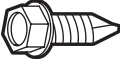
003 Deep Steel

550 Aluminum

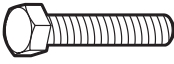
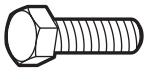
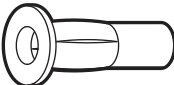


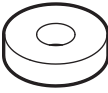
For ordering purposes, replace **AAA** with proper material code.

Parts Included

Assembly Fastener Kit Content

Part	P/N & Description	Under 72" L P/N 94-4025 Qty.	72"L & over P/N 94-4026 Qty.
	P/N 92-102 Screw HWH #14 x 1" ZINC	32	32
	P/N 92-204 Hex Bolt 5/16"-18 x 3/4" GR-5 ZINC	8	8
	P/N 98-116 Flat Washer 5/16" - 18 x 1" ZINC	8	8
	P/N 94-116 Serrated Nut 5/16"-18 ZINC	8	8
	P/N 92-200 Self-Drilling Screw HWH #10 - 16 x 3/4" ZINC	—	8

Installation Fastener Kit Content

Part	P/N & Description	Under 72" L P/N 96-4025 Qty.	72"L & over P/N 96-4026 Qty.
	P/N 90-011 Hex Bolt 5/16"-18 x 1-3/4" GR-5 ZINC	4	6
	P/N 90-212 Hex Bolt 5/16"-18 x 1-1/4" GR-5 ZINC	8	8
	P/N 94-132 Plusnut 5/16"	12	14
	P/N 98-116 Flat Washer 5/16", O.D. 7/8" ZINC	12	14
	P/N 98-122 Lock Washer 5/16" ZINC	12	14
	P/N 98-157 Spacer 0.375" ID x 1.0" OD x 0.25" LONG NYLON	4	6

Tools Required (Not Included)

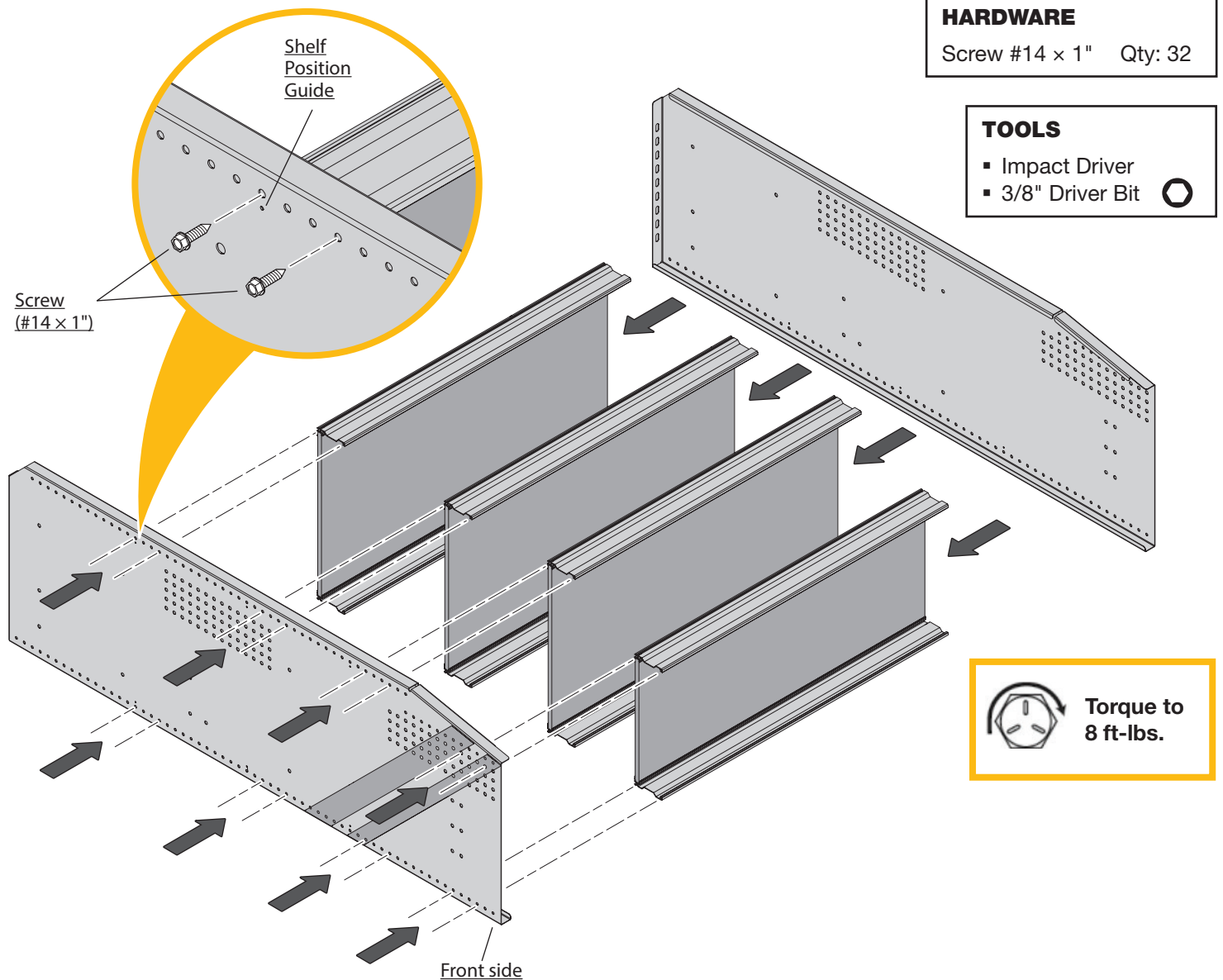
- Cordless Impact Driver
- Cordless Drill
- Tape Measure
- Marker
- 1/2" Socket
- 1/2" Drill Bit w/ Drill Collar (Set at 1/2")
- 3/8" Driver Bit
- Plusnut Tool / Plusnut Gun (5/16")
- 7/16" Drill Bit

Assembly

BEFORE STARTING

- Place end panels on clean, flat surface on their front sides.
- Use shelf position guides to avoid typical wheel wells and provide even shelf spacing.

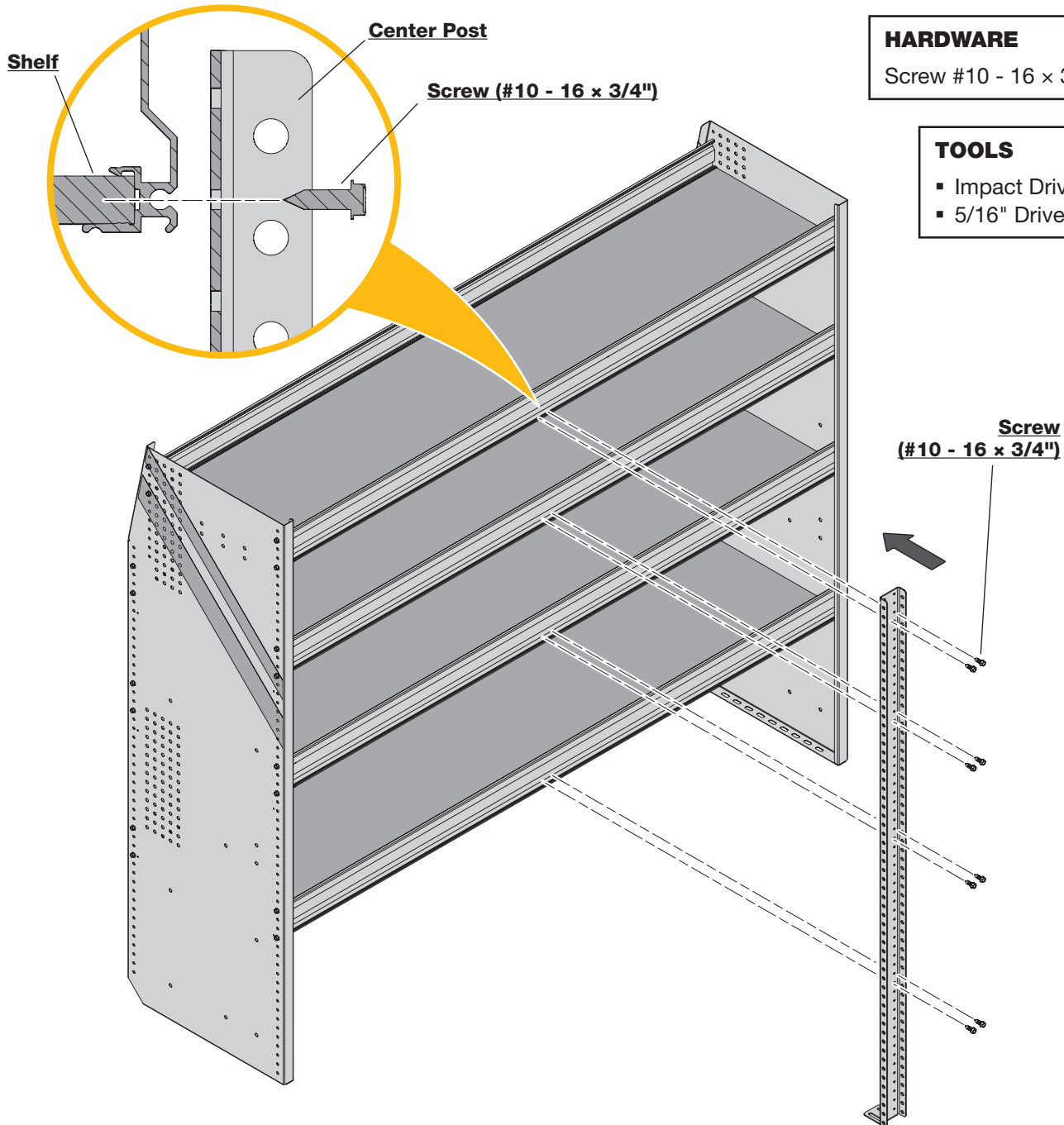
STEP 1 Attach shelf trays to end panels.



Assembly

For shelving units shorter than 72", skip step 2 and proceed to install on page 7.

STEP 2 Attach center post to center* front face of shelf & secure with 2 screws per shelf.



Installation

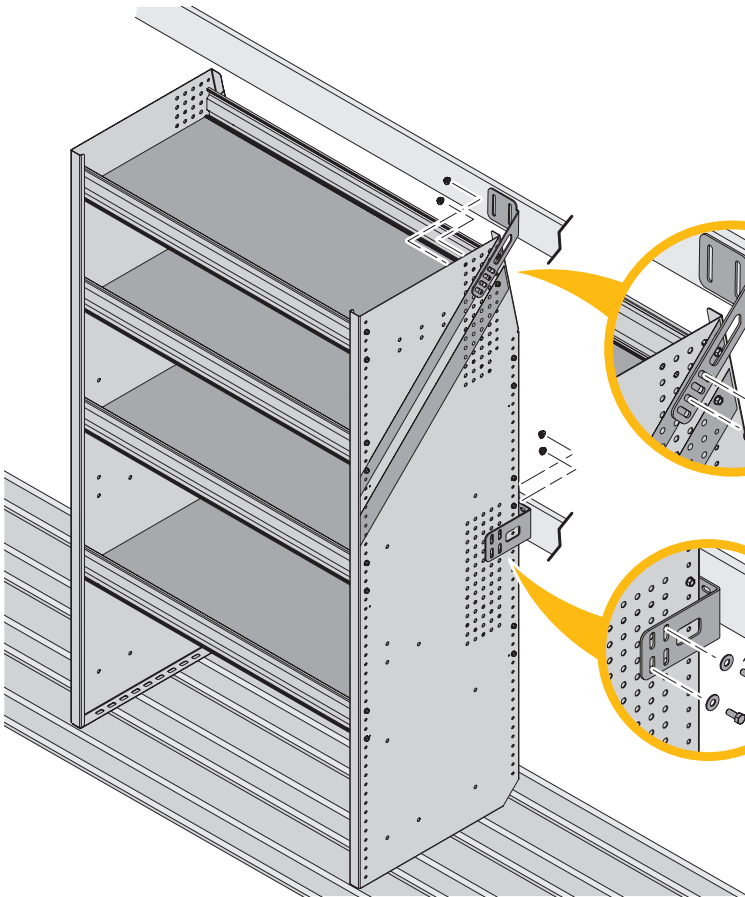


WARNING: Ensure shelf is sufficiently secured based on expected vehicle use.

- More attachment points improve retention and rigidity of shelf
- It is recommended to use **Ranger Design mounting track** and **floor** to ease installation and better distribute shelf load.

STEP 3 Install shelf to wall*

- With 2 people, place the shelf in its final position on the floor of the vehicle.
- Line up brackets at top and center of both end panels and mark hole locations.
- Assemble the brackets to the shelf using minimum 2 supplied fasteners.



HARDWARE

Hex Bolt 5/16"-18 x 3/4"	Qty: 8
Flat Washer 5/16" - 18 x 1"	Qty: 8
Serrated Nut 5/16"-18	Qty: 8

TOOLS

- Impact Driver
- 1/2" Driver Bit



Torque to
12 ft-lbs.

- Install each bracket to wall* using minimum 2 fasteners.

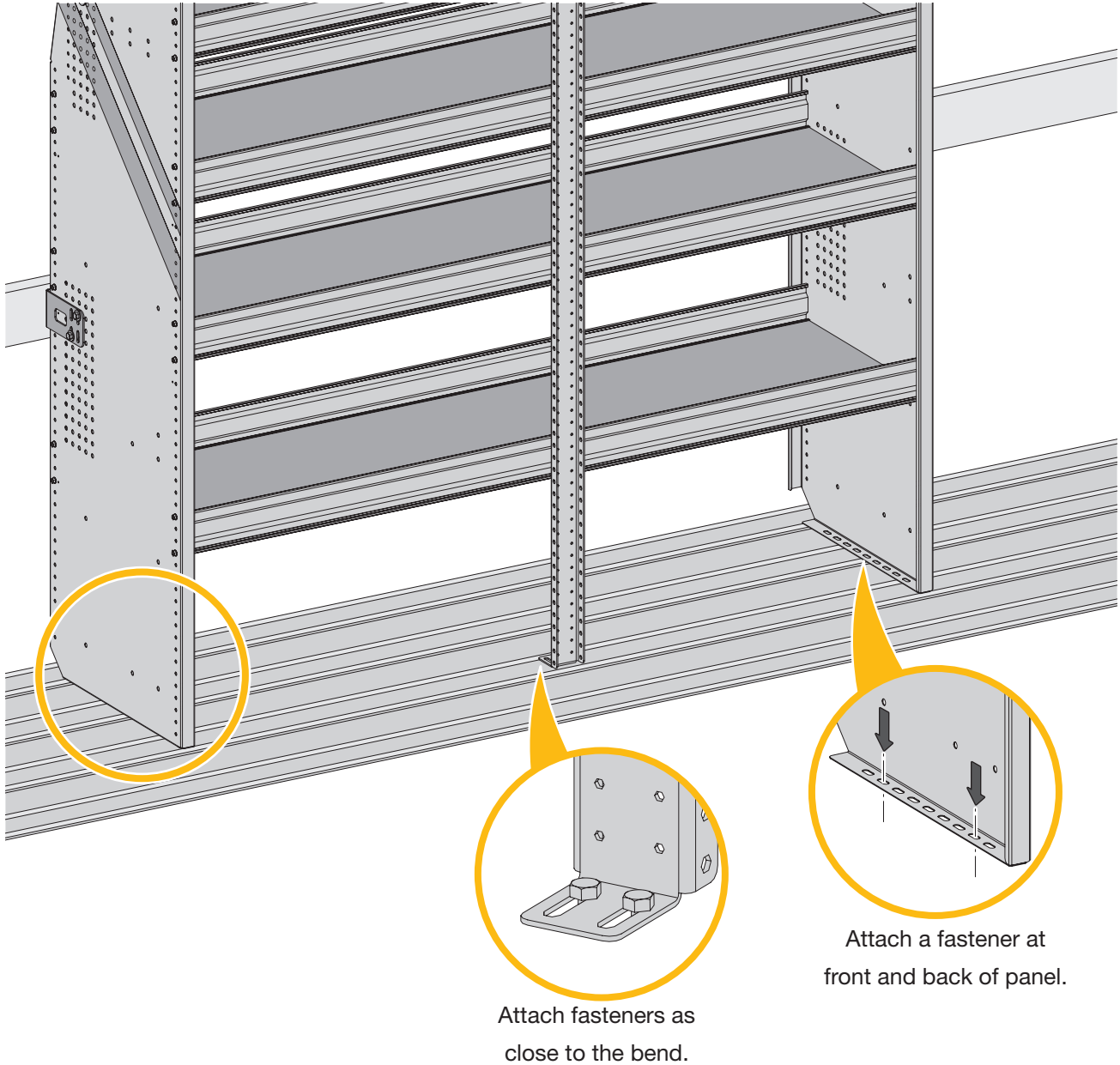
NOTE:

*When attaching to a:

- **Ranger Design mounting track**, refer to the applicable mounting track instructions.
- **Non-Ranger Design mounting track**, refer to the mounting track manufacturer's mounting instructions.
- Sheet metal wall, refer to **Plusnut Guidelines** on page 9.

Installation

STEP 4 Attach each shelf end panel to floor* using minimum 2 fasteners. Attach center post to floor when center post is assembled.



■ **NOTE:**

*When attaching to a:

- **Ranger Design E-Floor or Track floor**, refer to applicable Ranger Design floor install instructions.
- **Non-Ranger Design Floor**, refer to applicable non-Ranger Design floor install instructions.
- Sheet metal floor, refer to **Plusnut Guidelines** on page 9.

Plusnut Guidelines

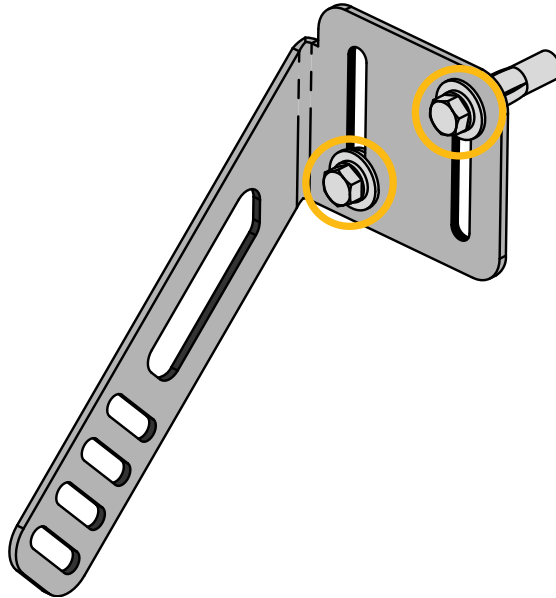


CAUTION: When drilling into sheet metal be sure to:

- Follow OEM-provided no-drill-zone guidelines.
- Rust protect all holes after drilling.

When attaching to sheet metal using plusnuts:

- Use plusnuts and fasteners provided in installation fastener kit and refer to the **Ranger Design Plusnut Installation Instructions** found in plusnut tool package.
- Follow the specific manufacturer's install guidelines if using alternative attachments to sheet metal.
- Use spacers provided in installation fastener kit when attaching shelf to an uneven sheet metal floor.
- Ensure plusnuts on the bracket are installed diagonally from each other and as far apart as possible.





**You have successfully assembled and installed your
N5 Series shelving.**

Thank you for doing business with us.

For technical support, contact us at 1-800-565-5321.

**For any feedback or suggestions you may have,
please contact cs@rangerdesign.com.**

Copyright © 2024

All rights reserved. This manual or any portion thereof may not be reproduced or used in any manner whatsoever without the express written permission of Ranger Design, Inc.